**Lab Number: 1**

**Title:** Code to demonstrate using CSS with all types.

**Objectives:**

* To learn type of CSS and its use.

**Description:** There are three types of CSS. They are:

* Inline CSS (within HTML element).
* Internal/Embedded CSS (inside head tag).
* External CSS (in another CSS file).

**Source Code:**

* *Inline CSS*

<!DOCTYPE html>

<html>

<head>

<title> CSS </title>

</head>

<body>

<p *style='color:#aabbff font-size:30px'*>

Orchid International College (OIC) affiliated to Tribhuvan University

</p>

</body>

</html>

* *Internal/Embedded CSS*

<!DOCTYPE html>

<html>

<head>

<title> Internal CSS </title>

*<style type='text/CSS'>*

*p{*

*color:#aabbff;*

*font-size:30px;*

*}*

*</style>*

</head>

<body>

<p>

Orchid International College (OIC) affiliated to Tribhuvan University

</p>

</body>

</html>

* *External CSS*

**HTML**

<!DOCTYPE html>

<html>

<head>

<title> External CSS </title>

<link href='test.css' rel='stylesheet' type='text/css' />

</head>

<body>

<p>

Orchid International College (OIC) affiliated to Tribhuvan University

</p>

</body>

</html>

**Test.css**

*p{*

*color:#aabbff;*

*font-size:30px;*

*}*

**Note:** All the above css will have the same output.

**Lab Number: 2**

**Title:** Display image with different Background property.

**Objectives:**

* To use different background property in CSS.

**Description:** The properties of background are:

* *Background-image: url(‘’);* for inserting image in background.
* *Background-color: {value};* for color in background.
* *Background-repeat:*  …… *;* for repeating or not repeating of background .
* *Background-attachment:…… ;* for attaching the background.

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title>Background Properties</title>

<link rel="stylesheet" type="text/css" href="css/style.css">

</head>

<body>

<p>This is just a background property demonstration.</p>

</body>

</html>

**Style.css**

body{

background-color: #aa4455;

background-image: url('../images/2.png');

background-repeat: no-repeat;

background-attachment: fixed;

background-position: center;

}

**Lab Number: 3**

**Title:** Display vertical and horizontal menu using list properties.

**Objectives:**

* To make menu using list.

**Description:** The code uses in making list are:

* *List-style-type: ;* to define the type of design in list . Like: square, circle, none, etc.
* *List-style-position: ;*  to define position of list. like: inside, outside, etc.
* *List-*sty*le-image: url(…);* to insert image in list style.

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title>list</title>

<link rel="stylesheet" type="text/css" href="css/list.css">

</head>

<body>

<h1>list 1</h1>

<div id="a"><ul>

<li><a href="hell.html">BIM</a></li>

<li><a href="hell.html">CSIT</a></li>

<li><a href="hell.html">BSW</a></li>

</ul></div>

<h1>list 2</h1>

<div class="c"><ul>

<li><a href="hell.html">BIM</a></li>

<li><a href="hell.html">CSIT</a></li>

<li><a href="hell.html">BSW</a></li>

</ul></div>

</body>

</html>

**List.css**

#a ul{

list-style-type: none;

}

#a ul li{

float: left;

background-color: #aaff99;

border: 2px solid #4f9;

}

#a a{

text-decoration: none;

color: #f00;

}

.c ul{

list-style-position: inside;

list-style-image: url('../images/bb.jpg');

}

.c ul li{

background-color: #a6f;

border:2px solid #0ff;

width: 15%;

}

.c ul li a{

text-decoration: none;

}

**Lab Number: 4**

**Title:** Write HTML and CSS code to display layout for a website

**Objectives:**

* To make layout using div.

**Description:** The code uses in making layout are:

* *height: ;*  to define hight of the block
* *width: ;* to define width of block
* *float: ;* to define location of the block.

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title> web page </title>

<link rel='stylesheet' type='text/css' href='css/div.css'>

</head>

<body>

<div class='h'>header</div>

<div>

<div class="left">left</div>

<div class="mid">content</div>

<div class='right'>right</div>

</div>

<div class='f'> footer</div>

</body>

</html>

**div.css**

.h{

background-color: #ff9;;

width:100%;

height:200px;

}

.left{

float: left;

background-color: #9fc;

width:20%;

height:300px;

}

.mid{

float: left;

background-color: #f9c;

width:60%;

height:300px;

}

.right{

float: right;

background-color: #cf7;

width:20%;

height:300px;

}

.f{

background-color:#549;

height:300px;

width:100%;

}

**Lab Number: 5**

**Title:** Code to demonstrate font properties.

**Objectives:**

* To use font properties

**Description:** The code use for font are:

* *Font-family: ;*  to define types of font.
* *Font-size: ;* for sizeof font.
* *Font-size-adjust:;* to adjust the size of two font.

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title>font</title>

<link rel="stylesheet" type="text/css" href="css/font.css">

</head>

<body>

<p>

font poperties demonstration

</p>

<span class="a">

this is test

</span>

<span class="b">

this is test

</span>

</body>

</html>

**Font.css**

p{

font-family: Arial,helvatika,sans-serif;

font-size: 1.5em;

font-weight: 600;

font-style: oblique;

}

span{

font-stretch: ultra-condensed;

}

.a{

font-family: "times new roman";

}

.b{

font-family: "verdana";

font-size-adjust: 0.43;

}

**Lab Number: 6**

**Title:** write HTML and CSS code to demonstrate table example.

**Objectives:**

* To use CSS in table.

**Description:** The code to make table are:

* *height: ;*  to define height of the cell
* *width: ;* to define width of cell
* *border-collapse: ;* to collapse the border of cell with table.

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title></title>

<link rel="stylesheet" type="text/css" href="css/table.css">

</head>

<body>

<table>

<tr>

<th>SN</th>

<th>Name</th>

<th>roll</th>

<th>web</th>

<th>stat</th>

<th>acc</th>

<th>CO</th>

<th>java</th>

<th>total</th>

<th>result</th>

<th>percentage</th>

<th>division</th>

</tr>

<tr>

<td>1</td>

<td>satish</td>

<td>33</td>

<td>49</td>

<td class="l">33</td>

<td>68</td>

<td>95</td>

<td>56</td>

<td>494</td>

<td class="f">fail</td>

<td>69</td>

<td>first</td>

</tr>

<tr>

<td>2</td>

<td>satish</td>

<td>22</td>

<td>44</td>

<td>78</td>

<td class="l">7</td>

<td>45</td>

<td>47</td>

<td>555</td>

<td class="f">fail</td>

<td>55</td>

<td>second</td>

</tr>

<tr>

<td>3</td>

<td>Bipul</td>

<td>12</td>

<td>78</td>

<td>85</td>

<td>45</td>

<td>98</td>

<td>76</td>

<td>578</td>

<td class="p">pass</td>

<td>69</td>

<td>first</td>

</tr>

<tr>

<td>4</td>

<td>Hatish</td>

<td>09</td>

<td>98</td>

<td>76</td>

<td>78</td>

<td>85</td>

<td>45</td>

<td>605</td>

<td class="p">pass</td>

<td>62.8</td>

<td>first</td>

</tr>

<tr>

<td>5</td>

<td>Matish</td>

<td>28</td>

<td>45</td>

<td>98</td>

<td>76</td>

<td>78</td>

<td>85</td>

<td>555</td>

<td class="p">pass</td>

<td>66</td>

<td>first</td>

</tr>

</table>

</body>

</html>

**Table.css**

table tr th{

background-color: #898;

color: #fff;

}

th,td{

height: 50px;

width: 50px;

padding: 9px;

}

table,th,td{

border:2px solid #222;

border-collapse: collapse;

}

table tr td{

background-color: #eea;

}

.l{

color: #f00;

}

.f{

background-color: #f00;

color: #fff;

}

.p{

background-color: #0f0;

color: #fff;

}

**Lab Number: 7**

**Title:** Design HTML form using CSS

**Objectives:**

* To use CSS in form.

**Description:** The code to make table are:

* *height: ;*  to define height of the block.
* *border-color: ;* to change color of input box border.
* *Background-color: {value};* for color in input box

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title></title>

<link rel="stylesheet" type="text/css" href="css/form.css">

</head>

<body>

<form action='#' method='get' enctype='multipart/form-data'>

<div>

<div class="x"><label for='name'>Name</label></div>

<input type='text' id='name' class='name' placeholder='Enter your name' /></div>

<div>

<div class="x"><label for='address'>Address :</label></div>

<input type='text' id='address' class='address' placeholder='Enter your address' /></div>

<div>

<div class="x"><label for='country'>country:</label></div>

<select id='country' class='country' name='country' >

<option value=' '> select post </option>

<option value='np'> Nepal</option>

<option value='in'>India </option>

<option value='jp'>Japan </option>

<option value='aus'>Austraila</option>

</select>

</div>

<div>

<div class="x"><label for='email'>E-mail :</label></div>

<input type='email' id='email' class='email' placeholder='Enter your email address' /></div>

<div>

<div class="x"><label for='phone'>Phone no. :</label></div>

<input type='number' id='phone' class='phone' placeholder='Enter phone number' /></div>

<input type='submit' id='submit' value='save' />

</body>

</html>

**Form.css**

input{

margin-left: 5px;

}

.x{

width: 6%;

float: left;

}

div{

margin-bottom: 5px;

}

input[type]{

height: 25px;

border: 3px dotted #0f0;

width: 300px;

}

input[type='text']{

border: 3px solid #f00;

}

select[id='country']{

border: 2px dotted #00f;

height: 50px;

width:20%;

}

input[id$='e']{

background-color: #aa7;

border: 3px solid #aaa;

}

**Lab Number: 8**

**Title:** Write HTML and CSS code to demonstrate all type of selector.

**Objectives:**

* To use all types of selector

**Description:** Types of selector are:

1. Universal: \*{ }
2. Type/tag: body, div, h1, etc.
3. ID: #...{ }
4. Class: **.**{ }
5. Descendent: ul li a{}
6. Child: div>a{ }
7. Adjacent: h1+p{ } h1~p{ }
8. Attribute: p[class=”a”]{ }
9. Pseudo: ul li:last-child{} div a:hover{ }

**Source Code:**

**HTML**

<!DOCTYPE html>

<html>

<head>

<title>selector</title>

<link rel="stylesheet" type="text/css" href="css/selector.css">

</head>

<body>

<span id="id">Namaste</span>

<div>OIC student

<a href="">TU</a>

<p>this is test</p>

<a href=""> second link</a>

</div>

<h1>this is starting</h1>

<p class="para">first paragraph</p>

<p class="pre">second paragraph</p>

<p class="acc">this is second</p>

<p class="last"> last paragraph</p>

<ul>

<li>one</li>

<li>two</li>

<li>three</li>

</ul>

</body>

</html>

**Selector.css**

­­­­­­­­\*{

background-color: #afa;

}

body{

font-weight: 700;

}

#id{

color: #00f;

}

.a{

border: 2px solid #f00;

}

ul li{

list-style-type: circle;

}

div>a{

color: #d0c;

}

h1~p{

color: #666;

}

h1+p{

color: #f55;

}

p[class="para"]{

outline: 2px solid #000;

}

p[class^="p"]{

text-shadow: 10px 10px 3px #00f;

}

p[class\*="a"]{

font-size: 30px;

}

ul li:last-child{

list-style-type: none;

}

div a:focus{

background-color: #00f;

}

div a:hover{

color: #fff;

}

div p:after{

content: " this is after content";

}